# **FireFite** Brand Fire Extinguisher User's Manual

## DRY POWDER FIRE EXTINGUISHER
## (SQUEEZE GRIP CARTRIDGE TYPE.)

**IMPORTANT! Please read carefully and save.**

This user's manual contains important information about your fire extinguisher's operation. If you are installing this fire extinguisher for use by others, you must leave this manual—or a copy of it—with the end user. Read extinguisher label and the entire user's manual carefully before installing or using the unit. Make sure everyone in your Premises is completely familiar with the operation of the extinguisher, and review the instructions regularly. In an emergency, you will not have time to read instructions.

**Classes of Fire**

Suitability of Classes of Fire is clearly Marked on the Fire Extinguisher

**Fire extinguishers are classified by fire type. The A, B and C rating system defines the kinds of burning materials each fire extinguisher is designed to fight. The numbers in front of the A, B, or C indicate the rating for size of the fire the unit can extinguish. Using the wrong type of fire extinguisher can do more harm than good. Make sure you understand which fire extinguisher to use on each class of fire!**

**Class A rating:** The agent/powder is suitable for fighting small fires involving wood, paper, cloth, rubber, and some plastics.

**Class B rating:** The agent/powder is suitable for fighting small fires involving grease, oil, gasoline, kerosene, and other flammable liquids.

**Class C rating:** The agent/powder is suitable for fighting small fires in "live" electrical equipment.

## INSTALLATION :

All fire extinguishers should be installed, inspected and maintained in accordance with the IS 2190 (BIS STANDARD FOR SELECTION , INSTALLATION , MAINTENANCE OF FIRST AID FIRE EXTINGUISHER - CODE OF PRACTICE) . International standards such as National Fire Protection Association standard titled "Portable Fire Extinguishers", NFPA-10 , BS standard EN 3 and the requirements of local authorities having jurisdiction may also be followed.

**A Fire Extinguisher Should Be Mounted:**

- In the vicinity of (but not on or in) a potential source of heat and/or fire, like an oven or stove.
- Where it is easy to reach, near an exit or an escape route from the room.
- In a location that is convenient, in plain sight, and 3-1/2 to 5 feet (1 to 1.5 meters) above the floor.
- Store the extinguisher high enough to keep it out of the reach of small children.
- On a clean, dry surface where the temperature does not go above or below the Range of Temperature of the Fire Extinguisher.

- Do not mount the extinguisher on drywall or plaster without adequate support. Use strong screws or bolts to mount the bracket securely into solid wood or metal that can support it, like a wooden partition stud. Secure mounting is needed so you can remove the extinguisher quickly and easily in an emergency. Also, if the extinguisher is not held securely, it could drop to the floor and injure people or damage the extinguisher.
- Do not break the plastic loop / Metal Seal / Plastic Clip holding the safety pin in place! This loop prevents accidental discharge of the fire extinguisher. Break the loop only in an emergency before using the fire extinguisher.

- The extinguisher has a bracket for wall mounting. Install the mounting bracket on a wooden stud or other solid surface that will support the weight of the extinguisher using the screws or bolts you purchased .
- After installing the mounting bracket, replace the extinguisher on the bracket with the label facing outward, so the label can be easily read.

## INSPECTION :

MONTHLY CHECK THAT EXTINGUISHER IS CHARGED, UNDAMAGED AND SEAL IS INTACT
CHECK WEIGHT OF GAS CARTRIDGE . IF WEIGHT LOSS IS MORE THAN 10 % OF STAMPED WEIGHT , SEND IMMEDIATELY FOR RECHARGING

DO NOT CHECK THE PRESSURE OR TEST THE FIRE EXTINGUISHER BY SQUEEZING THE TRIGGER, EVEN BRIEFLY. ONCE USED, IT WILL GRADUALLY LOSE PRESSURE AND WILL NOT BE FULLY CHARGED FOR USE IN AN EMERGENCY.
Check for signs of damage or misuse. Make sure you can still read all the text on the label. Carefully examine the surface of the extinguisher for corrosion. You can help prevent corrosion by cleaning the extinguisher if it gets wet or dirty.
Make sure the tamper indicator ("safety seal") is still intact and the nozzle is clean and unobstructed.

**MAINTENANCE :**

**Maintenance is a "thorough check" of the extinguisher**

**It is intended to give maximum assurance that a fire extinguisher will operate effectively and safely. It includes a thorough examination for physical damage or condition to prevent its operation and any necessary repair or replacement. It will normally reveal if hydrostatic testing or internal maintenance is required.**

**WARNING: BEFORE SERVICING BE SURE THE EXTINGUISHER AGENT CYLINDER IS NOT PRESSURIZED. THIS PROCEDURE IS BEST ACCOMPLISHED WITH THE EXTINGUISHER IN AN UPRIGHT POSITION AND ON A LEVEL SURFACE.**

EXAMINE THE EXTINGUISHER CAREFULLY EVERY 12 MONTHS TO ENSURE EXTINGUISHER IS OPERABLE.

SUBJECT THE FIRE EXTINGUISHER FOR HYDRAULIC TEST MAXIMUM EVERY 3 YEARS as per BIS Guidelines. As per the Guideline 1/3 of the Extinguisher in every Premises should be operated for Performance.WE RECOMMEND TO TEST THE FIRE EXTINGUISHER EVERY YEAR AS A PRECAUTIONARY MEASURE.

**DE-PRESSURING INSTRUCTION / OPENING THE SQUEEZE GRIP CAP INSTRUCTION : (Highly Skilled Job)**

**( TO BE CONDUCTED BY A TRAINED PROFESSIONAL ONLY - WE HIGHLY RECOMMEND IT TO BE SEND TO US FOR DE-PRESSURIZING / REFILLING AND SERVICING)**

**CAUTION : IF NOT DONE PROPERLY MAY CAUSE SERIOUS INJURY.**
**NOT TO BE DONE IF SERVICE ENGINEER IS NOT TRAINED AND CONFIDENT.**

- The Fire Extinguisher is Fitted with a Specialized Squeeze Grip Cartridge Type CAP. This Cap is Fitted onto the Extinguisher with a Swivel Type External Ring . This Ring contains 3 protruding slots to hold with a Spanner. This Ring also Contains Vent Holes.
- To De-pressurize the Fire Extinguisher, hold the Ring by Fixing a Spanner (Suitable Size) onto the Slots.
- Then Very Slowly more the External Ring Anti- Clockwise.
- As soon as the Vent Hole move above the Internal Neck-ring Seat a Slow Hissing Noise will Start.

- Simultaneously when you place your finger closer to the Vent Hole you will feel Airflow.
- Stop Immediately.
- The De-pressurizing has started.
- Keep the Extinguisher as it is till the sound and Air Completely Stops.
- Then Continue the Anti Clockwise Rotation of the Ring .
- The Cap Assembly along with the ring will then Easily Come out.

**Maintenance procedure :**

1. Clean extinguisher to remove dirt, grease or foreign material. Check to make sure that the instruction sticker is attached and legible. Inspect the cylinders for corrosion, abrasion, dents or weld damage. If any damage is found, hydrostatically test in necessary.

**Note: When cleaning, avoid use of solvents around the CAP Assembly. They could seriously damage the Cap and Safety Valve**

2. Inspect the extinguisher for damaged, missing or substitute part. Only factory replacement parts are approved for use on FireFite fire extinguishers.
3. CHECK the Cartridge for Weight. .ALSO CHECK THE GROSS WEIGHT OF THE EXTINGUISHER PERIODICALLY. IF YOU FIND IT 10% LESS THAN THE STAMPED WEIGHT in any Case, PLEASE SEND FOR RECHARGING TO "US".
4. Weigh the extinguisher and compare with weight printed in the "Maintenance" section on the nameplate (label). Recharge extinguisher if weight is not within indicated allowable tolerances(Max 3 to 5 % Tolerance) .
5. Visually inspect the SQUEEZE GRIP CAP ASSEMBLY:
   - If bent, damaged or improper FINISH, Remove and replace.
   - If Safety Valve is POPED UP , This indicated over pressurized (overcharged) or Unwanted operation, Depressurize the extinguisher and follow recharge instructions.
   - REMOVE Gas Siphon and Powder Siphon . Blow Air and Clean Internal siphons.
   - Verify for Thread Damage or Siphon Damage.
6. Inspect discharge lever for any dirt or corrosion which might impair freedom of movement. Inspect carrying handle for proper installation.If lever, handle or rivets are damaged replace with proper FIREFITE parts
7. Install new tamper seal if broken and record service data on the extinguisher inspection tag.
8. Remove nozzle or hose and horn assembly and visually inspect inside Cap body. (Chemical in the Cap body may indicate that the extinguisher has been partially discharged and should therefore be recharged). Inspect nozzle or the hose & horn assembly for damage – replace as necessary. Blow air through nozzle or hose and horn to insure passage is clear of foreign material.
9. Inspect the Cap assembly for corrosion or damage to hose thread connection. Replace Cap assembly or component parts as necessary following the proper depressurization and recharge procedures. If Cap removal is necessary, complete all steps in the Recharge Procedure.
10. Install nozzle or hose and horn assembly.
11. Replace the extinguisher on the wall hanger or in the vehicle bracket making sure that it fits the bracket properly and the bracket is securely attached – replace the bracket if necessary.

**RECORD :**

RECORD MAINTENANCE AND RECHARGE DATES ON ATTACHED TAG.

**USE :**

**NOTE: Persons expected to use this extinguisher should be trained in initiating its operation and in the proper firefighting technique. Familiarize all personnel with this information before an emergency occurs.**

**Danger :**

Make sure your extinguisher may be safely and effectively used on the small fire you want to fight. Always use extreme caution when fighting any fire. Fight a fire only where there is a clear escape path to allow you to get out safely if the fire gets worse.

**Warning :**
Avoid breathing smoke and heated fumes; stay low if necessary. Burning materials will release toxic fumes. Inhaling these fumes may cause injury or death.

**Caution :**
Always stand back far enough away from the fire—near an exit—and make sure nothing is between you and your escape route. If you get too close to a fire, you risk getting burned or hit by splattering material like grease. If the fire is too hot or smoky for you to get within 10 feet (3 meters), DO NOT try to fight the fire yourself. Evacuate immediately and call the Fire Department.

FIREFITE FIRE EXTINGUISHER TEMPERATURE SUITABILITY / RANGE : -30 C TO +55 C

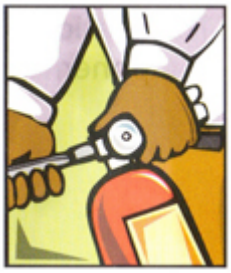
DESIGN PRESSURE: 15 BAR ( KGF/CM2)

TEST PRESSURE: MINIMUM 35 BAR ( KGF/CM2)
Specialized Products with Higher Test pressures also provided ; Certificate for same to be availed separately.

**METHOD OF OPERATION (4 to 9 Kg )**

1**) Pull :**Hold upright and Pull Pin.

**2) AIM LOW: -** Point the extinguisher hose at the base of the fire.



**3) SQUEEZE: -** The lever above the handle to discharge the extinguisher agent. To stop the discharge, release the lever

**4) SWEEP: -** the hose from side to side. Keep the extinguisher aimed at the base of the fire and sweep back and forth until the flames appear to be out.

AFTER ANY USE RECHARGE IMMEDIATELY.

**RECHARGE / REFILLING :**

IF THE EXTINGUISHER IS OPERATED OR THERE IS DEPOSITION OF POWDER SEEN IN THE HOSE OR THE CAP ASSEMBLY THEN THIS INDICATED THE FIRE EXTINGUISHER IS USED.
SEND THE EXTINGUISHER FOR RECHARGING TO US OR AN AUTHORIZED BHARATI FIRE ENGINEERS SERVICE STATION.

Only OUR authorized fire equipment dealer must refill this extinguisher. The extinguisher must be refilled with the same chemical that it contained when it was first purchased. Improper filling can result in non-working or dangerous units.

**CAUTION :**
DO NOT RELY ON PARTIALLY USED OR DISCHARGED FIRE EXTINGUISHER.

**Warranty Details**

Bharati Fire Engineers, herein after referred to as BFE warrants this system to be free of defects in materials and workmanship for a period of 13 months from date of purchase. BFE's WARRANTY adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that BFE's customers receive maximum coverage on each product.
The Product is warranties against Manufacturing Defects.
Any Extra Warranty availed during Procurement shall be separately certified.

If the system malfunctions or is found to be defective, it will be repaired or replaced at no charge. BFE's WARRANTY-does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of BFE's control.

The remedies of purchaser set forth herein are exclusive, and the total liability of BFE with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall BFE be liable for consequential, incidental or special damages.

**Designed, Manufactured, and Marketed By.**
**BHARATI FIRE ENGINEERS.**
(An ISO 9001 : 2008certified company.)

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